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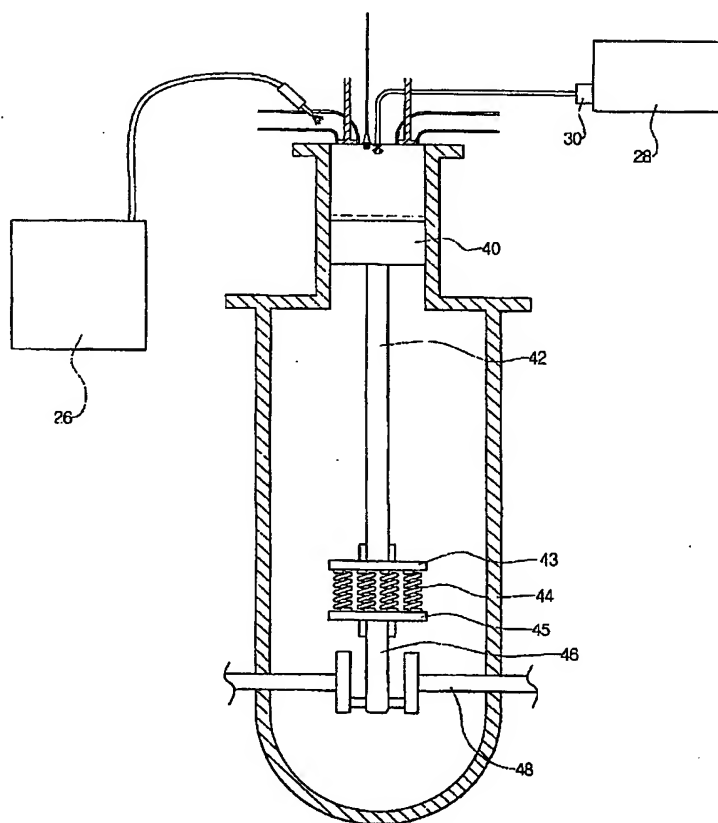
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(54) Title: PREMIXED CHARGE COMPRESSION IGNITION ENGINE AND RECIPROCATING GENERATOR HAVING THE SAME



(57) Abstract: The object of the present invention is to provide a premixed charge compression ignition (PCCI) engine. The PCCI engine has a fuel injector (22) in a suction manifold (8) to prepare a premixed charge of fuel and air and induces a natural ignition of the premixed charge in a combustion chamber (20) of a high temperature and high pressure. The PCCI engine further includes a structurally improved connecting rod which has a spring operated in organic conjunction with the other elements of the PCCI engine. The present invention further provides a PCCI reciprocating generator that is fabricated by a combination of a reciprocating generator unit with the PCCI engine, so that the PCCI reciprocating generator operates with improved operational efficiency. In the present invention, two PCCI engines may be arranged to symmetrically face each other, thus providing a multiple PCCI engine.

WO 2004/090302 A1



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